

Title (en)

Two stage rotary compressor.

Title (de)

Zweistufiger Drehkolbenkompressor.

Title (fr)

Compresseur rotatif à deux étages.

Publication

EP 0166804 A1 19860108 (EN)

Application

EP 84107885 A 19840705

Priority

- EP 84107885 A 19840705
- CA 395794 A 19820208

Abstract (en)

[origin: US4460319A] A two-stage rotary compressor makes use of a piston-vane arrangement where both stages are built side-by-side and where the same members (piston-vanes) work for both stages, the "axial pistons" of the second stage becoming the dividing "vanes" in the first stage.

IPC 1-7

F04C 23/00; **F04C 18/344**; **F04B 41/06**

IPC 8 full level

F04B 25/04 (2006.01); **F04B 39/02** (2006.01); **F04B 41/06** (2006.01); **F04C 18/344** (2006.01); **F04C 23/00** (2006.01)

CPC (source: EP US)

F04B 25/04 (2013.01 - EP US); **F04B 39/0246** (2013.01 - EP US); **F04B 41/06** (2013.01 - EP US); **F04C 18/3448** (2013.01 - EP US); **F04C 23/005** (2013.01 - EP US)

Citation (search report)

- [X] US 3429301 A 19690225 - SANDIDGE OTHEL W
- [X] US 3398725 A 19680827 - NULL VICTOR G
- [A] GB 352526 A 19310706 - JOHN JAMES OWEN
- [A] GB 1467578 A 19770316 - KULASINGHE A
- [A] DE 1056935 B 19590506 - KIELER HOWALDTSWERKE AG
- [A] US 2150122 A 19390307 - KOLLBERG GUSTAF L, et al
- [A] US 1613584 A 19270104 - BRUNDAGE MARY L
- [A] GB 693064 A 19530624 - KARL EVERT ANDERS JOELSON

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

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DOCDB simple family (application)

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